PINOPERIMIRONO 180826 RESPONSE SEPTEMBER 18 2001.DOC - 25/9/01

-1-

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Chappel, R. et al.

Examiner:

Hines, J.

Serial No:

09/380,826

Art Unit:

1645

Filed:

November 22, 1999

Docket:

DAVIE79.001A

For:

Leptospira pathogens

**EXHIBIT A** 

APPROVED O.G. FIG.

BY CLASS SUBCLASS

DRAFTSMAN

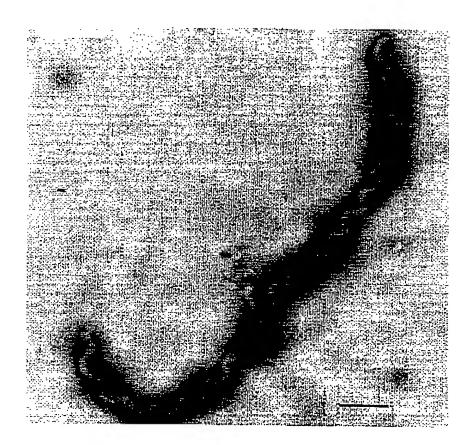


Figure 1

G.	CLASS SUBCLASS	
APPROVED O G. FIG.	BY CLYSS	DRAFTSMAN
		لت

100 AGCCC TCCCG TCCCG AGCCC TCCCG TCCCG TCCCG TCCCG AGCCC AGCCC AGCCC AGCCC AGCCC AGCCC TCCLL AGATG GATAG GATAG GATGG GATAG GATAG GATAG GATGG AGATG AGATG AGATG GATAG GATGG AGCTG AGATG AGATG AGATG AGATG TACCG TACCG TACTG TACTG TACTG TACIG TACTG TACTG TACTG CTTGG CITIGG CTCGG CTCGG CTCGG CTTGG CTCGG CICGG CTCGG GCTAA GCTAA GCTAA GCTAA GCTAA GCTAA GCTAA GCTAA GCTAA TATTG TATTG CATTG TATTG CATTG CATTG TATTG TATTG TATTG GGAAA GGAAA GGGGA GGGGA GGGAA GGGGA GGGAA GGGAA GGGAA AGATT AGATT AGATT AGATT AGATT AGATT AGATT AGATT AGATT GGTAA CGAAA CGAAA CGAAA CGAAA CGAAA GGTAA GGTAA GGTAA GGTAA GGTAA CGAAA CGAAA CGAAA GGTAA CGAAA GGTAA GGTAA CTITC CITIC CTTTC CTTTC TGATA CTLLE CTTTC CTTTC CTTTC CTTTC TGATA TTTCG TTTCG TATCG TTTCG TITCG TTTCG TITCG GATAA GATAA GATAA GATAA GATAA GATAA GATAA GATAA GATAA AGATT GGATC AGATT GGATG TGATT GGATT AGATT AGATT AGATT TCTGG TCTGG TCTGG TCTGG TCTGG TCATA TCTGG TCTGG TCTGG TCACA TCATA TCATA TCATA TCATA TCATA TCACA TCATA CCGAG CCGAG CCGAG CCGAG CCGAG CCGAG CCGAG CCGAG CTGAG TTGGA CTGGA AGAGA AGAGG ATAGA AGAGG AGAGA AGAGA 4GAGA HAEMORRHAGIAE HURSTBRIDGE HURSTBRIDGE CELLEDONI CYNOPTERI CELLEDONI CYNOPIERI JAVANICA SHERMANI JAVANICA SHERMANI RANARUM RANARUM ICTERO-ICTERO-PANAMA PANAMA LYME LYME

Figure 2a

HAEMORRHAGIAE

GGTCC GGTCC GGTCC

GACAC GACAC GACAC

ACTGA

ATGGA

CCACA

TTCGG TTCGG TTCGG

TGAGA TGAGA IGAGA

GGGTG GGGTG

> CGGCC CGGCC

GTAGC GTAGC

CYNOPTERI

ICTERO-

HAEMORRHAGIAE

GGGTG

CCACA ATGGA ACTGA

ACTGA

ATGGA

CCACA

G.	SLASS SUBCLASS	
APPROVED O G. FIG.	BY 71,755	DRAFTSMAN
AP		DH.

200 GATCG GATCG GATCG GATCG GATCG GATCG GATCG GATCG GATCG GGTCC GGTCC GGTCC GGTCC GGTCC GGTCC GCGAC GCGAC GCGAC GCGAC GCGAC GCGAC GCGAC GCGAC GACAC GACAC GACAC GACAC GACAC GACAC CCAAG CCAAG CCAAG CCAAG CCAAG CCAAG CCAAG CCAAG CCAAG ACTGA ACTGA ACTGA ACTGA ACTGA ACTGA GCTCA GCTCA CCACA ATGGA ATGGA CCACA ATGGA GCTCA GCTCA GCTCA GCTCA GCTCA ATGGA ATGGA ATGGA GCTCA CCACA CCACA TAAIG TAAAG TAATG **TAATG** CCACA CCACA TAAAG TAATG TAATG TAAAG TAAAG TGAGG TGAGG TGAGG TGAGG TGAGG TGAGG TGAGG TGAGG TCCGG TGAGG TTCGG TCCGG Trage TTCGG TTCGG GTTGG CGATT AGCTA GTTGG GTTGG GTTGG GTIGG GTTGG GTIGG GTTGG GTTGG GGGTG GGGTG GGGTG GGGTG GGGTG GGGTG AGCTA AGCTA AGCTA AGCTA AGCTA AGCTA ASCTA AGCTA TGAGA TGAGA TGAGA TGAGA TGAGA TGAGA CGATT CGATT CGATT CGATT CGALT CGATT ದಿಡಿದ್ದರ CGATT CGGCC CGGCC CGALT CGGCC CGGCC CGGCC CGGCC GCGCC 20000 GCGTC 20000 32925 3035 GCGTC GTAAC GCGIC GCGTC GTAGC GTAGC STAGC GTAGC GTAGC GTAGC 151 HAEMORRHAGIAE HURSTBRIDGE HURSTBRIDGE CELLEDONI CYNOPTERI CELLEDONI SHERMANI JAVANICA JAVANICA SHERMANI RANARUM ICTERO-RANARUM PANAMA PANAMA LYME LYME

Figure 2b